ESPAÑOL FRANÇAIS ENGLISH

marantz®

Super Audio CD player

SA8003

User Guide

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards.
There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacture's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Additional Safety Information!

- This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions have been adhered to.
- Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- When the switch is in the OFF position, the apparatus isn’t completely switched-off from the MAINS.
- The equipment shall be installed near the power supply so that the power supply is easily accessible.
- Do not expose the unit and batteries to excessive heat such as direct sunlight, fire or the like.
- Make a space of about 4 inchs (0.1m) around the unit.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE:

Changes or modifications may cause this unit to fail to comply with Part 15 of the FCC Rules and may void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numerique de la Classe B est conforme a la norme NMB-003 du Canada.

DECLARATION OF CONFORMITY

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

U.S. Responsible Party:	**Marantz America, Inc.** **100 Corporate Drive,** **Mahwah, NJ, 07430, U.S.A.** **TEL: 201-762-6500**

Type of Product: Super Audio CD player

Model: SA8003

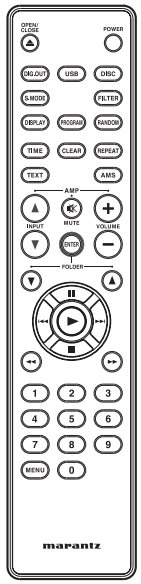
INTRODUCTION

Thank you for selecting the Marantz Super Audio CD Player for your Audio system.
This Player incorporates a number of features designed to enhance the listening of your favorite audio sources.
Please read these operating instructions carefully. We recommend that you read the entire user guide before you attempt to connect or operate the player.
After you have reviewed the contents of this manual, we suggest that you make all system connections before you attempt to operate the unit.

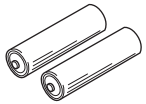
CHECKING THE ACCESSORIES

After opening the cover of the packing box, check that the following accessories are included.

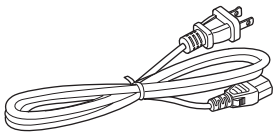
- Remote controller



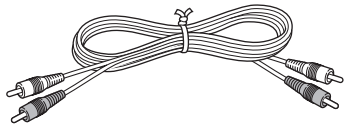
- Size "AAA" batteries x 2



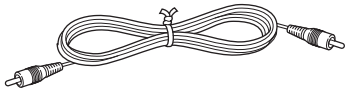
- AC Power cord



- Audio connecting cord



- Remote control connecting cord



- User Guide

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FEATURES

FEATURES

This unit can play back the outstanding sound performance of Super Audio CDs. This unit has the following major features.

- **Low-noise low-distortion filter circuit and high-speed HDAMSA2-type output amplifier with the differential input type HDAM**
- **Playback of CD-R/CD-RW discs**
- **Playback of CD-R/CD-RW/CD-ROM discs containing WMA and MP3 files**
- **Toroidal transformer**

  The SA8003 features a toroidal transformer that produces less vibration and magnetic leakage flux compared to conventional power transformers. The materials and manufacturing process of the ring-shaped core are strictly controlled to reduce vibration, while the short-ring attached to the perimeter of the transformer reduce magnetic leakage flux.
- **Large-capacitance block capacitor**

  A large capacitance 3300 μF capacitor carefully selected for its acoustic characteristics is incorporated into the power supply circuit.
- **Audiophile-grade film capacitors and electrolytic capacitors**

  The SA8003 features the same audiophile-grade film capacitors and electrolytic capacitors specifically used in top-range models.
- **Double-layered chassis**
- **High-grade machined analog audio output connectors**
- **Playback of USB audio (MP3/WMA/WAV)/ iPod**

  This unit can play back MP3, WMA, WAV, and AAC files by connecting an USB device or iPod to its USB connector.

APPLICABLE DISCS TO THE UNIT

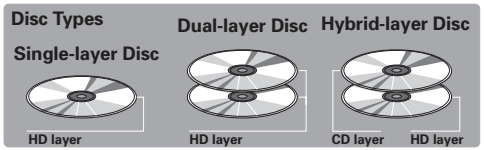
1. Super Audio CD

SUPER AUDIO CD

The Super Audio standard is based on Direct Stream Digital (DSD) technology. This new direct-stream digital format comprises a 1-bit system that has a digital sampling frequency that is 64 times higher than that of conventional audio CD. The results are spectacular: a frequency response of over 100k Hz and a 120 dB dynamic range over the entire audible spectrum. Mixed with as many of the original frequencies as possible, the audio information audible for human ears sounds much more natural. All audible frequencies are, after all, embedded in the frequency range as emitted by the sound source. A better reproduction does not exist! For the first time your ears will relive reality.

There are three types of Super Audio CDs.

- **Single-layer Disc**
- **Dual-layer Disc**
- **Hybrid-layer Disc**



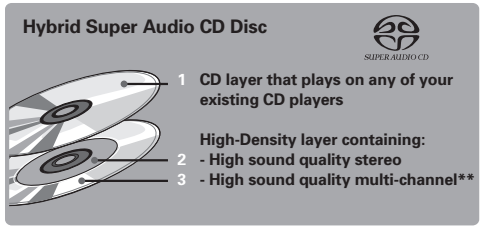
And each type may contain two areas of recorded information.

- **High quality stereo area**
- **High quality multi-channel area****
- **Single Layer Disc**

  It can contain both high quality stereo area and high quality multi-channel area** information.
- **Dual Layer Disc**

  It can contain both high quality stereo area and high quality multi-channel area** information. And a double amount of information can be stored on the disc thanks to the second layer.
- **Hybrid Layer Disc**

  Not only does this disc contain both high sound quality stereo area and high sound quality multi-channel area** information, it also has a CD layer in the second layer, so it can be played on a CD player.



The number of tracks recorded may vary per layer. It will be shown on the display window of the unit.

****This unit is a stereo-only player, and so it cannot play high-quality multi-channel audio areas. (It does not recognize multi-channel areas.)**

2. Audio CD (CDDA)

COMPACT disc DIGITAL AUDIO

Audio CDs contain music tracks only.

3. CD-R / CD-RW

This unit can play back the CD-RW (ReWritable) discs as well as ordinary Audio CD and CD-R (Recordable) discs.

- The CD-R and CD-RW discs should contain properly-recorded TOC* information so that they can be played back. In CD recorders, the task of writing TOC information is referred to as finalizing the disc. Discs that are not finalized cannot be properly recognized as an Audio CD and played back by regular CD players and Super Audio CD players. For details, please read the instruction manual provided with a CD recorder.

  * TOC stands for Table Of Contents and contains information such as the total number of tracks and total playing time of the disc.
- As the playback of a CD-RW disc necessitates partial change of the player setup, it may take longer time for reading the TOC information than when an Audio CD or CD-R disc is played.

BEFORE USING

This section must be read before any connection is made to the mains supply.

EQUIPMENT MAINS WORKING SETTING

Your Marantz product complies with the household power and safety requirements in your area.
This product can be powered by 120 V AC only.

COPYRIGHT

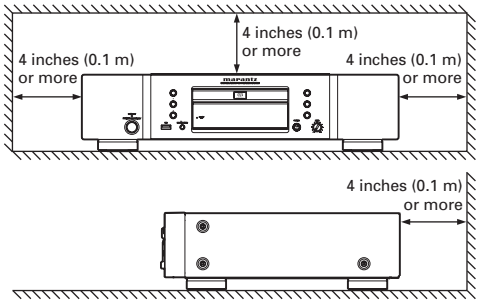
Recording and playback of any material may require consent. For further information refer to the following:
— Copyright Act 1956
— Dramatic and Musical Performers Act 1958
— Performers Protection Acts 1963 and 1972
— any subsequent statutory enactments and orders

INAPPROPRIATE PLACES FOR INSTALLATION

To keep your player in perfect working order for the longest possible time, avoid installing the player in the following locations.

- Wherever it will be exposed to direct sunlight
- Wherever it will be close to a heater or other heat-radiating appliance
- Wherever the humidity is high or ventilation is poor
- Wherever it is very dusty
- Wherever it will be subject to vibration
- On top of a rickety stand or in an unstable location which is tilted at an angle
- On top of an amplifier or other component which dissipates a great deal of heat
- In an audio rack with little space at the top and bottom or other location where the heat dissipation will be obstructed

  To ensure proper heat dissipation, install the player while leaving clearances between the player and wall or other components, as shown in the figure below.



DO NOT PLACE OBJECTS ON TOP

- Refrain from placing any objects on top of the player.

CAUTIONS ON HANDLING MAINS CORD

- Do not touch the mains cord with wet hands.
- When disconnecting the mains cord, always make sure that you take hold of the plug. Yanking out or bending the cord can damage it and/or cause electric shocks or a fire.
- Get into the habit of disconnecting the power plug before leaving home.

DO NOT ATTEMPT REPAIRS YOURSELF

- Refrain from lubricating the player: doing so can cause malfunctioning.
- Only qualified engineers with specialized expertise are authorized to repair the pick-up and parts inside the player.

PRECAUTIONS

- In winter, droplets of water form on the insides of the windows of a heated room: this is called condensation. This CD player uses an optical lens, so the condensation may form in the following cases.
  - In a room immediately after the heating has been turned on
  - In a room where the humidity level is high
  - When the player has been suddenly brought from a cold location into a warm room

  Since, in cases like this, the track numbers may not be read and the player is prevented from operating properly, wait about 30 minutes, and then operate the player.
- This player may cause interference on a tuner or TV set. If this is the case, place it further away from the tuner or TV set.
- Compact discs have much less noise than analog records and hardly any noise is heard before play starts. Bear in mind, therefore, that if the volume control on the amplifier is set too high, you will risk damaging other audio components.
- This audio player is for the exclusive playing of Audio CDs (Compact Discs) and MP3/WMA compressed data files.

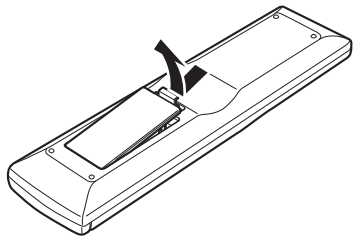
  It cannot play CD-ROMs used with personal computers, game CDs, video CDs, DVDs (video/audio) or DTS-CDs.
- We do not recommend the use of lens cleaners.

USAGE OF REMOTE CONTROLLER

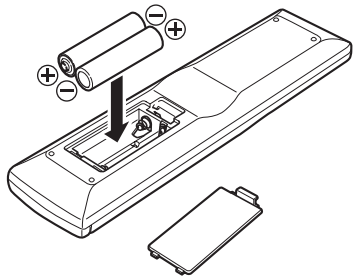
LOADING BATTERIES

Before using the remote controller for the first time, load the batteries in the remote controller. The batteries provided are used to verify the operations of the remote controller only.

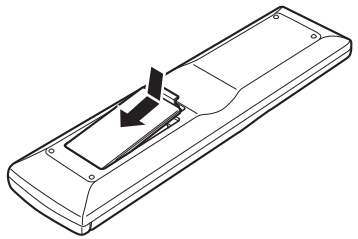
1. Remove the battery cover.



2. Insert the batteries with correct ⊕/⊖ orientation.



3. Close the battery cover until it clicks shut.



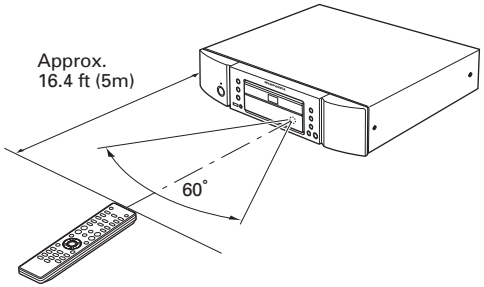
CAUTIONS ON HANDLING BATTERIES

Misuse of the batteries can result in electrolyte leakage, rupturing, corrosion, etc.
Bear in mind the following points when using batteries.

- Remove the batteries from the remote control unit if the unit is not going to be used for a prolonged period (a month or more).
- Do not use an old battery together with a new one.
- Insert the batteries while ensuring that their ⊕ and ⊖ poles are properly aligned with the corresponding markings on the remote control unit.
- Batteries with the same shape may have different voltages. Do not use different types of batteries together.
- If electrolyte has leaked, thoroughly wipe the inside of the battery compartment, and then insert new batteries.
- When batteries which are no longer required are to be discarded, follow the directions (regulations) laid down by the local authorities in the area concerned for their disposal.

OPERATIONAL RANGE

Operate the unit with the remote controller within the range of the illustration below.

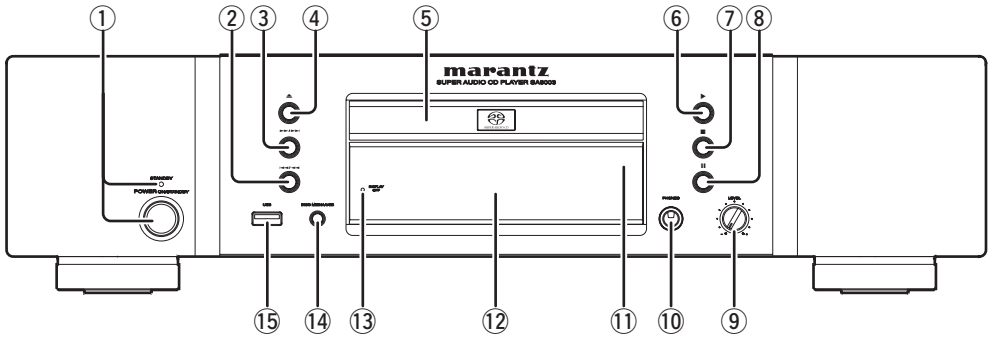


Precautions

- Do not allow direct sunlight, an inverter fluorescent light or other strong source of light to shine onto the player's infrared signal reception window (remote sensor). Otherwise, the operation of the remote control unit may be disabled.
- Bear in mind that operating the remote control unit may cause other devices operated by infrared rays to be operated by mistake.
- The remote control unit cannot be operated if the space between the controller and the player's remote sensor is obstructed.
- Do not place any objects on top of the remote control unit. Doing so may cause one or more buttons to be held down which will cause the batteries to run down.

NAMES AND FUNCTIONS

FRONT PANEL



① POWER ON/STANDBY switch STANDBY indicator

This switch is used to turn the power ON and OFF (see page 10).

② ⏮/◀◀ (Track Skip/Search) button

See page 10.

③ ▶▶/⏭ (Search/Track Skip) button

See page 10.

④ ⏏ (Open/Close) button

See page 10.

⑤ Disc tray

The disk to be played is placed on the tray (see page 10).

⑥ ▶ (Play) button

See page 10.

⑦ ■ (Stop) button

See page 10.

⑧ ❚❚ (Pause) button

See page 10.

⑨ LEVEL (headphones level) control

This is used to adjust the headphones volume level. The level increases when turned clockwise.

⑩ PHONES (headphones) jack

The headphones are connected to this jack. Use headphones that come with a standard plug.

⑪ Remote sensor

This sensor senses the infrared control signals sent from the remote control unit.

⑫ FL display

See page 6.

⑬ DISPLAY OFF indicator

See page 7.

⑭ DISC MEDIA / USB button

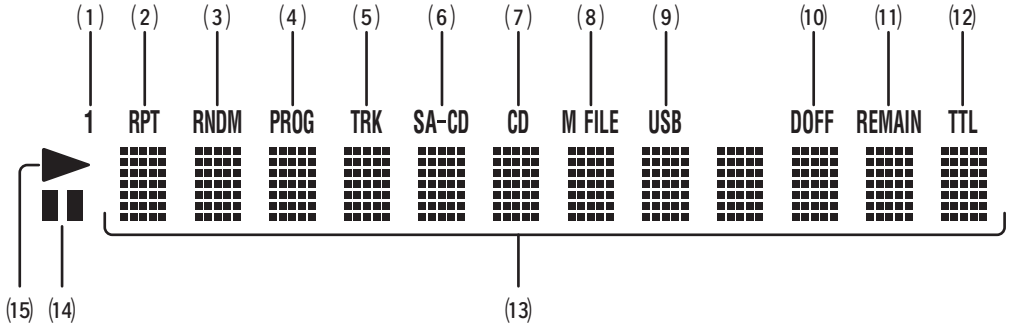
See page 17.

⑮ USB connector

See page 17.

NAMES AND FUNCTIONS

DISPLAY



(1) 1 (repeat) indicator

This indicator lights up during repeat play of one track.

(2) RPT (repeat) indicator

This indicator lights up during repeat play.

(3) RNDM (random) indicator

This indicator lights up during random play.

(4) PROG (program) indicator

This indicator lights up during program play.

(5) TRK (track) indicator

This indicator lights up above the display of the track number currently being played.

(6) SA-CD indicator

This indicator indicates the type of disc on the disc tray (Super Audio CD).

(7) CD indicator

This indicator indicates the type of disc on the disc tray (CD).

(8) M FILE indicator

This indicator indicates the type of disc on the disc tray (WMA/MP3).

(9) USB indicator

This indicator lights up during operation in the USB/iPod mode.

(10) D OFF (digital output OFF) indicator

This indicator lights up when the digital output setting of the audio CD signal is set to OFF (see page 16).

(11) REMAIN (remaining time) indicator

This indicator lights up above the remaining playback time of a track, when it is displayed.

(12) TTL (total time) indicator

This indicator lights up above the total remaining time or the total program time, when it is displayed.

(13) Main display area

This area displays the time display and text information of the disc to be played, as well as the setting menu items, etc.

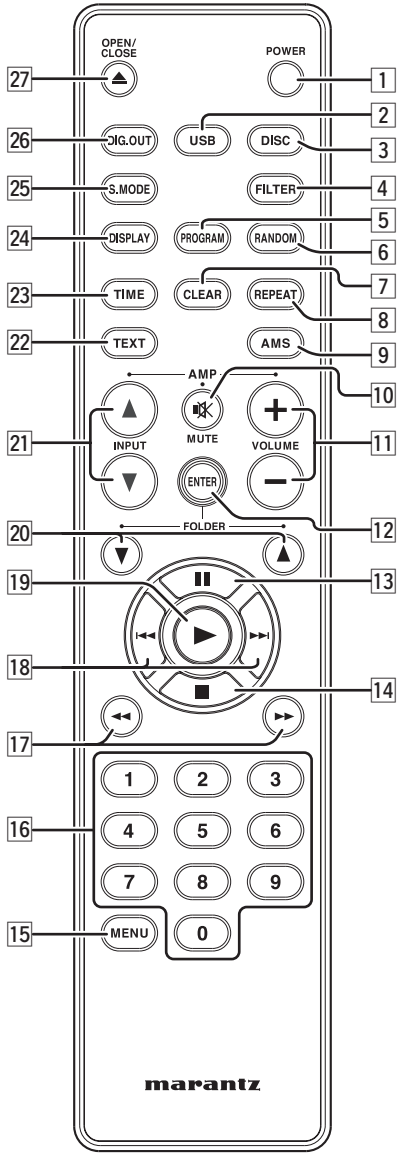
(14) ❚❚ (pause) indicator

This indicator lights up when play is paused.

(15) ► (play) indicator

This indicator lights up during disc play.

REMOTE CONTROLLER



1 POWER button

Switches the power of the unit ON and OFF (see page 10).

2 USB button

Press this button when using a USB connection (see page 17).

3 DISC button

Press this button when using a disc media.

4 FILTER button

This button cannot be used on this unit.

5 PROGRAM button

See page 14.

6 RANDOM button

See page 14.

7 CLEAR button

See page 15.

8 REPEAT button

See page 14.

9 AMS (Automatic Music Scan) button

See page 15.

10 MUTE button

This button can activate the mute function of devices compatible with Marantz pre-main amplifiers.

11 VOLUME button

This button can be used to adjust the volume of devices compatible with Marantz amplifiers that come with a remote controller.

12 ENTER button

This button is used to enter settings done via MENU or decide files for USB file search.

13 ❚❚ (pause) button

See page 10.

14 ■ (stop) button

See page 10.

15 MENU (menu setting) button

Press this button when conducting Timer Play, SA-CD, USB setup or iPod setup.

16 0-9 (numeric) buttons

See page 10.

17 ◄◄, ►► (search) buttons

See page 10.

18 |◄◄, ►►| (track skip) buttons

See page 10.

19 ► (play) button

See page 10.

20 FOLDER ▲/▼ buttons

These buttons are used for USB folder search and iPod album selection.

21 INPUT ▲/▼ buttons

These buttons are used to switch the input when using one of the supported Marantz amplifiers. However, this function may not work with some of the older models.

22 TEXT button

Press this button when switching the main display area from time display to text display when using a data disc containing MP3, WMA files, etc., or during USB/iPod use (see page 20).
However, this feature does not support the display of Super Audio CD or Audio CD TEXT.

23 TIME button

Press this button when switching the main display area from text display to time display (see page 14).

24 DISPLAY button

Press this button when switching the display ON and OFF.
The display becomes dimmer each time the button is pressed. When the button is pressed for the third time, the display turns off and the DISPLAY OFF indicator lights up. The last setting is retained even if the power is turned off.

25 S.MODE (sound mode) button

See page 15.

26 DIG.OUT (digital out on/off) button

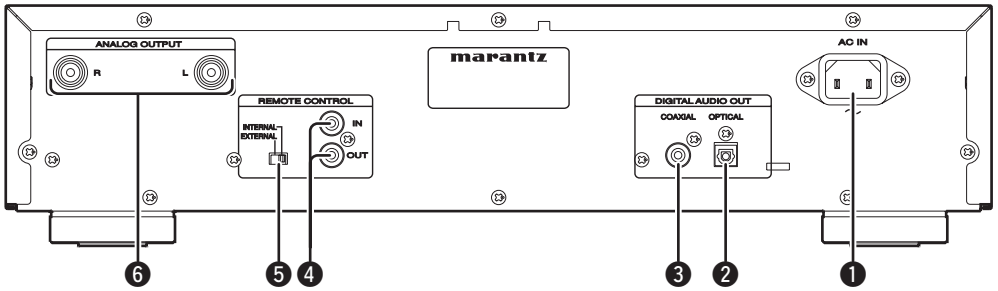
Press this button when switching the digital output of an audio CD signal on/off (see page 16).

27 ▲ (OPEN/CLOSE) button

See page 10.

NAMES AND FUNCTIONS

REAR PANEL



❶ Power cord connector socket

Use the supplied power cord to connect the unit to a standard household power supply outlet.

Connect the player so that the power cord can be removed easily as a precaution against possible accidents.

❷ DIGITAL AUDIO OUT OPTICAL (optical digital output) connector

This optical output connector performs digital output of the music signal of the audio CD during playback (see page 11).

❸ DIGITAL AUDIO OUT COAXIAL (coaxial digital output) connector

This coaxial digital output connector performs digital output of the music CD of the audio CD during playback (see page 11).

❹ REMOTE CONTROL IN / OUT (remote control IN and OUT) connectors

These connectors are used to connect the player to a Marantz audio component equipped with remote control connectors using the supplied remote control connecting cable (see page 12).

❺ EXTERNAL / INTERNAL (external/internal) switch

The switch is set to INTERNAL at factory shipping, enabling use of the player's built-in remote sensor. When connecting the remote control connector of this player to a Marantz unit using the supplied connecting cable, set this switch to EXTERNAL (see page 12).

❻ ANALOG OUT (analog output) connector

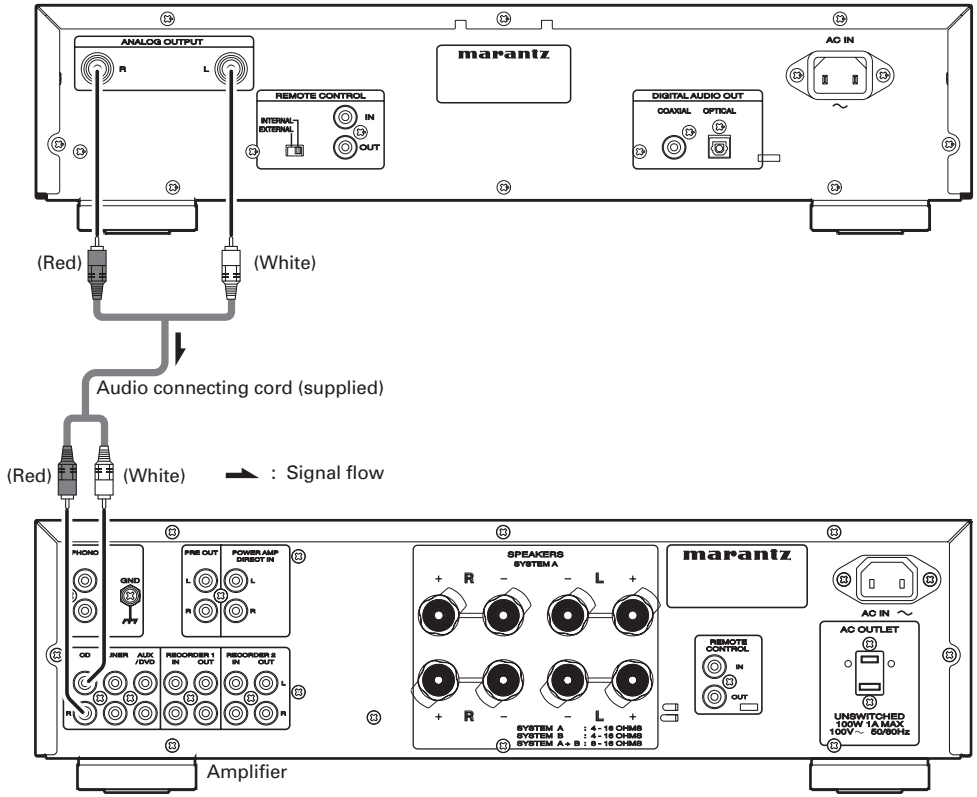
This connector outputs the music signal during playback (see page 9).

BASIC CONNECTIONS

This CD player is connected to an amplifier, CD recorder and other components for use. To ensure that the components are connected properly, refer to the instruction manuals that come with the components to be connected.
Before connecting the components, be absolutely sure to turn off their power.

CONNECTING TO AN AMPLIFIER

Use the audio connecting cord to connect the player with a stereo amplifier or AV amplifier.
When making the connections, insert the plugs securely into the connectors. Failure to insert the plugs securely may result in noise.

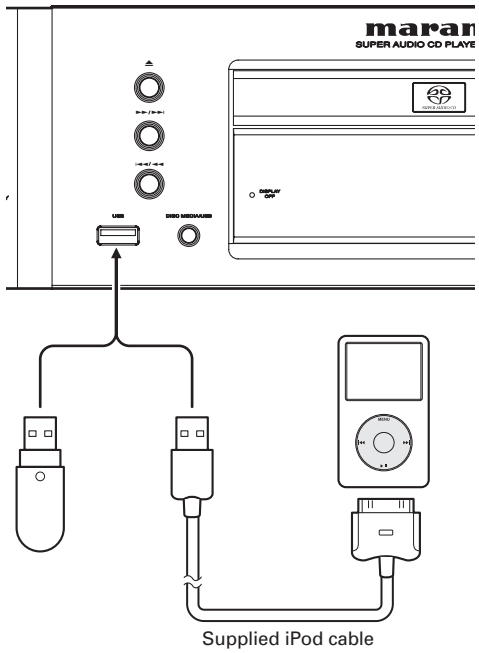


Caution:

Do not connect the player to the PHONO input connectors on the amplifier.

USB MEDIA/iPod CONNECTION

Connect the SA8003 to USB media/iPod.

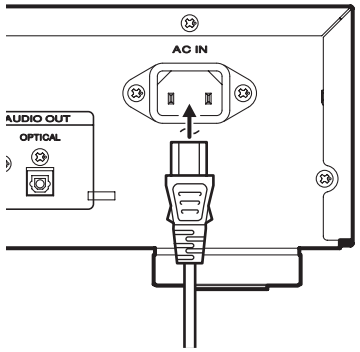


Caution:

- Connect the USB media/iPod while in power off or when the input source is something other than USB. Connecting/disconnecting USB memory when the input source is USB and the power is on may damage the USB memory.
- When using an USB device, do not use an USB extension cable.

CONNECTING THE POWER SUPPLY

1. Plug the power cable into AC IN jack on the back panel.

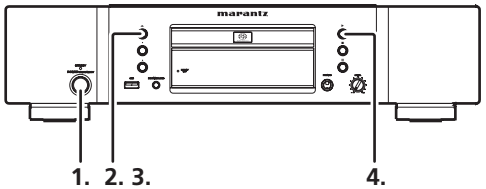


2. Plug the power cable into an AC outlet.
3. Turn on the power switch of the audio unit (amplifier, etc.) that is connected with this unit. Set the selector on the connected unit to this unit.

BASIC OPERATION

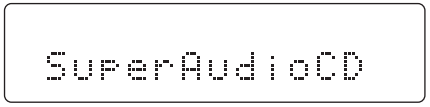
NORMAL PLAYBACK

SUPER AUDIO CD PLAYER PLAYBACK



1. Keep pressing the **POWER** Switch for about a second to turn on the system.

Display

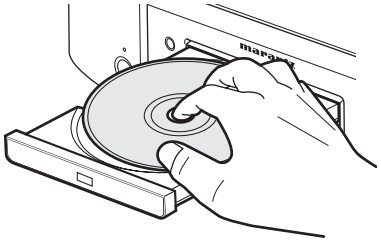


The display cycles from **TOC Reading** → **No Disc** (when no disc is loaded) → **Super Audio CD** (when the start sound mode setting is Super Audio CD).

2. Press the ⏏ button.

The disc tray comes out. Place the disc with label side up on the tray.

To play a single (8cm) CD, place the disc with the indentation at the center of the tray.



3. Press ⏏ button.

Caution:

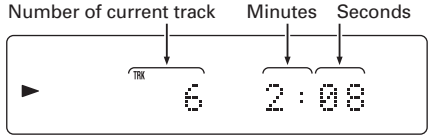
Do not close the disc tray by pressing it in with your hand, as this will damage it.

4. Press ▶ button.

Disc type is automatically detected and playback is started. Track number and track elapsed time (minute, second) appear on the display.

- For Super Audio CD/CD hybrid-layer discs (see page 2), the layer that is set in the start sound mode (see page 16) is played. To change the layer, use the **S.MODE** button (see page 15).

(Exp.:Track 6, Elapsed time 2 min 8 sec)



Playback automatically stops at the end of the final track.

TO STOP PLAYBACK

Press ■ button.

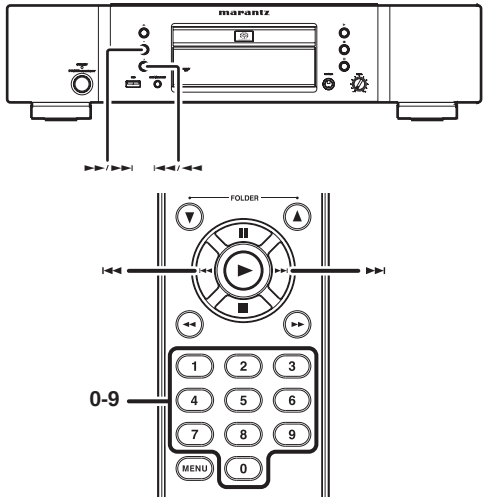
TO EJECT DISC

Press ⏏ button to open the disc tray and take the disc off. Press the button again to close the tray.
Disc tray must be closed when the unit is not be used.

TO PAUSE PLAYBACK

Press ❚❚ button.
PAUSE indicator will light and playback is paused at the point that the button is pressed. To restart playback, press ❚❚ button again or press ▶ button.

PLAYING YOUR FAVORITE TRACKS OF A DISC



SPECIFY TRACK NUMBER TO PLAY (DIRECT SEARCH)

Specify track number with numerical buttons (0-9) on the remote controller.
(example)

3rd track : Press **3**.
12th track : Press **1** and then press **2** (within approximately 1.5 seconds).

IF A WRONG NUMBER IS PRESSED

If a track number that is not in the disc is specified, "No Track" will be shown on the main display.
Press correct number again.

SKIPPING TO THE PREVIOUS OR NEXT TRACK (TRACK SKIP)

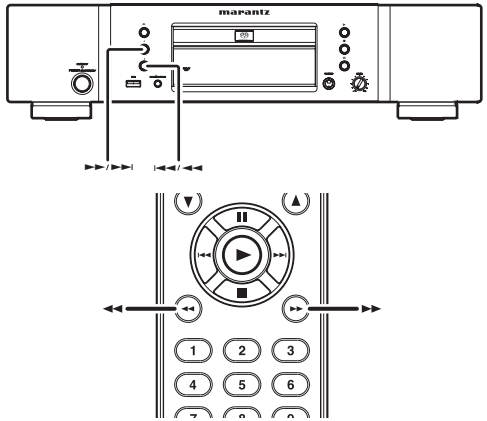
TO LISTEN TO A TRACK POSTERIOR TO THE CURRENT TRACK

Press the ⏭ button on the remote controller or the unit the same number of times as the number of tracks you want to advance.

TO LISTEN TO A TRACK PRIOR TO THE CURRENT TRACK

If the ⏮ button is pressed on the unit or the remote controller while playing a track, playback starts again from the start of the current track.
Continue to press the ⏮ button for the same number of times as the number of tracks you want to return.

PLAYING YOUR FAVORITE PARTS OF A DISC (SEARCH)



The search is started by holding down the ⏮, ⏭ buttons on the player or the ◀◀, ▶▶ buttons on the remote control unit during playback.
The search speed can be changed by pressing the ⏮, ⏭ buttons on the player or the ◀◀, ▶▶ buttons on the remote control unit.
The search speed changes in 4 steps: 1 → 2 → 3 → 4 → 1.
4 is the fastest search speed.
When the specific part you wish to hear is near, press the ▶ button.

Note:

No sound is output during the search operation.

ADVANCED CONNECTIONS

CONNECTING TO A DIGITAL AUDIO COMPONENT

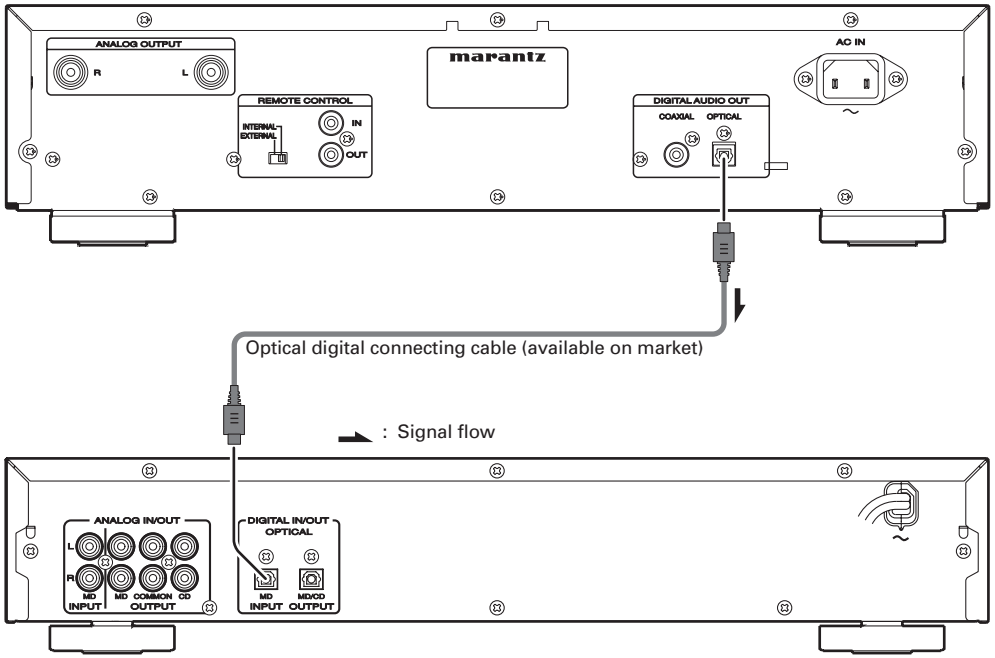
The player has one digital optical output connector and one digital coaxial output connector.
You can enjoy digital recording when the player is connected to a CD recorder or other digital recording component.

Caution:

Signals come of the Digital Audio Output (Optical and Coaxial) terminals only at the time of audio CD playback. There are no signals when other media are being played back.

CONNECTING THE OPTICAL OUTPUT CONNECTOR

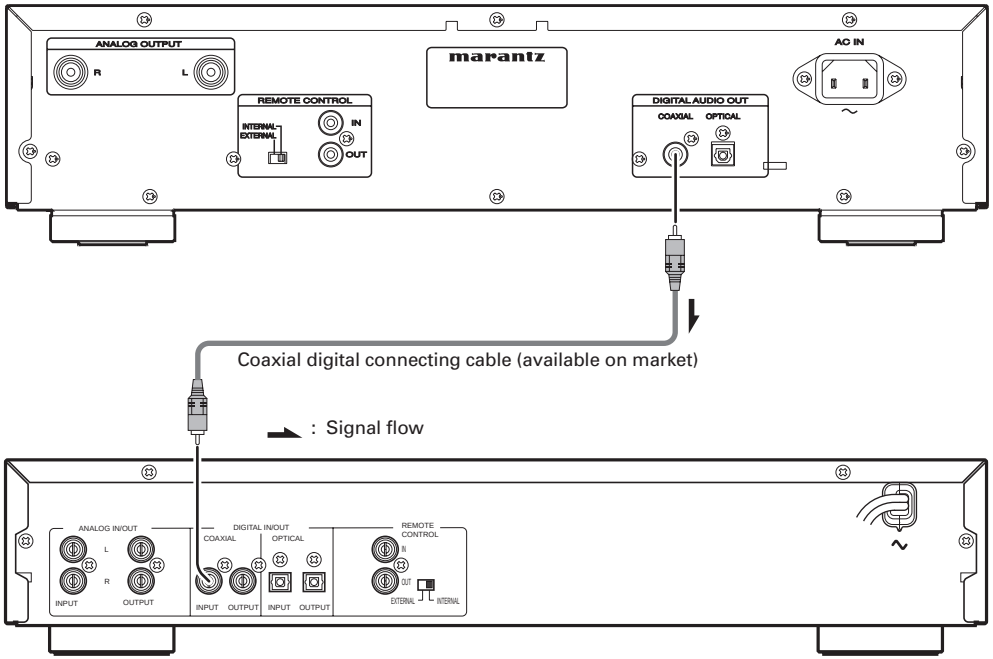
Use an optical digital connecting cable available on the market. Insert the plug firmly in until it clicks into place. Do not bend or bundle the optical digital connecting cable.



CD recorder, MD deck, AV amplifier, etc.

CONNECTING THE COAXIAL OUTPUT CONNECTOR

Use a coaxial digital connecting cable available on the market.



CD recorder, MD deck, AV amplifier, etc.

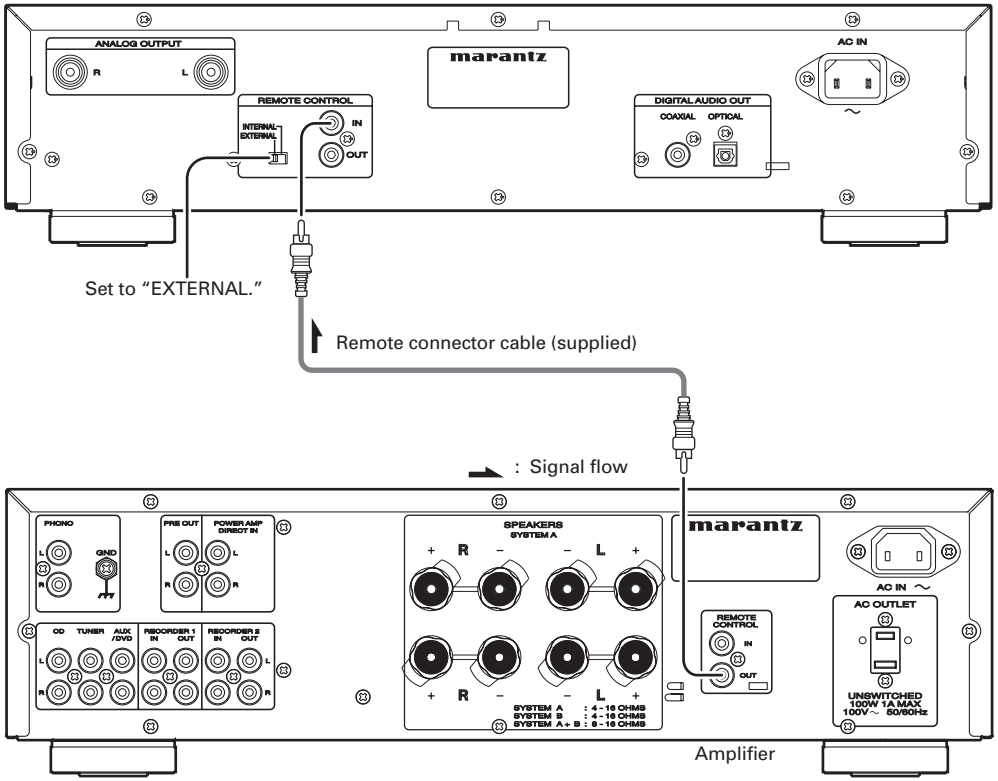
ADVANCED CONNECTIONS

REMOTE CONTROL CONNECTION

Connecting this player to additional Marantz audio equipment using the supplied remote control cable enables remote control of the connected equipment as a single audio system.

- When connecting equipment incorporating a remote sensor, connect the "remote control out" connector of the equipment to the "remote control in" jack of the CD player.

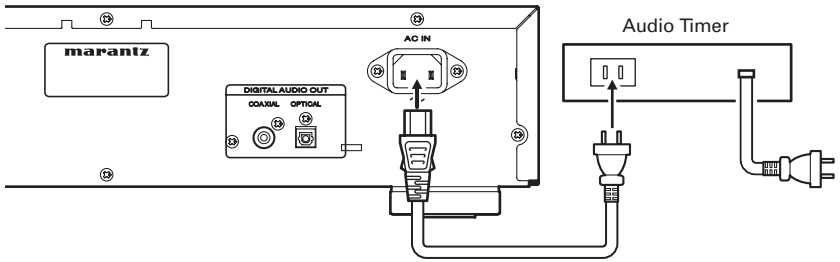
  When doing this, set this player's switch to "**EXTERNAL.**" This will stop its remote control IR receiver from operating and the player can now be controlled via the remote control IR receiver of the attached equipment.



TIMER PLAY

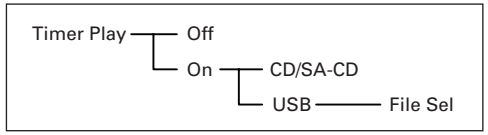
This unit can perform timer play by cooperating with your audio timer.
Connect this unit's power cord to the audio timer's power socket and the timer's power cord to power outlet.

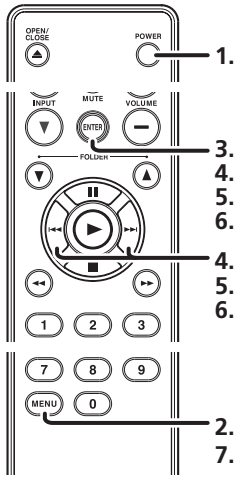
- For connection to audio timer and it's operation, please refer to the instruction manual of your audio timer.



TIMER PLAY SETTING

Time Play is set in the following hierarchical logic.





1. Keep pressing the **POWER** Switch for about a second to turn on the system.
2. Press the **MENU** button on the remote control unit.
3. Display "**TIMER PLAY=>**" in the display area and then press **ENTER** button on the remote control unit.
4. Display "**2 ON**" with the ⏮, ⏭ buttons, and then press **ENTER** button on the remote control unit.
5. To play a CD/SA-CD disc with timer play, display "**1 CD/SACD**" with the ⏮, ⏭ buttons and then press **ENTER** button on the remote control unit.
6. For USB playback with timer play, display "**2 USB**" with the ⏮, ⏭ buttons, and then press **ENTER** button on the remote control unit.

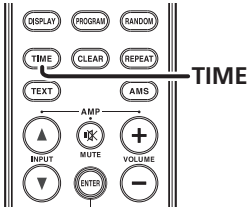
   If USB is selected, the track to be played during timer play can be selected. For the selection method, refer to USB selection method.
7. Press the **MENU** button on the remote control unit to complete the setting.
8. If CD/SA-CD is selected, insert the disc to be played.
9. Set the audio timer.

Caution:

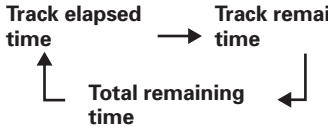
Insert a USB medium in advance when selecting USB for Timer Play.

APPLICATION OPERATION (CD OPERATION)

TO CHANGE TIME DISPLAY

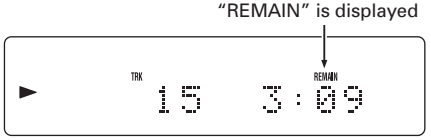


Press the **TIME** button on the remote control.
Each time **TIME** button is pressed, display will change in the following order.



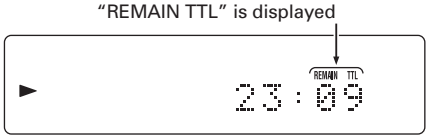
- **Track remaining time**

  (The remaining playing time from the playing point to the end of the current track)



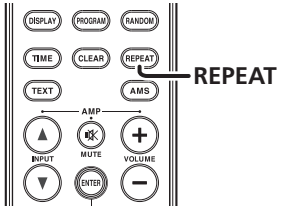
- **Total remaining time**

  (The remaining playing time from the playing point to the end of the last track)



Track information does not appear when "Total remaining time" is displayed.

REPEATED DISC PLAY (REPEATPLAY)



Each time the **REPEAT** button on the remote control is pressed, the repeat mode cycles in the following order.

ONE TRACK REPEAT

Press **REPEAT** button on the remote two times.
"**1**", "**RPT**" indicators will light and the track will be played repeatedly.

TO EXIT FROM ONE TRACK REPEAT

Press the **REPEAT** button on the remote control twice. "**1**" "**RPT**" indicator will disappear, repeat mode will be off and it returns to normal play mode.

ALL TRACK REPEAT

When "Repeat" mode is off, press the **REPEAT** button on the remote control twice. The "**RPT**" indicator will light up and all track repeat play begins.

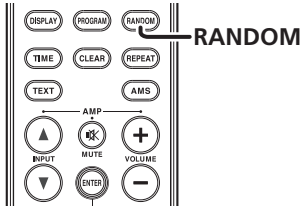
TO RETURN TO NORMAL PLAY

Press the **REPEAT** button on the remote control once. "**RPT**" indicator will disappear, repeat mode will be off and it returns to normal play mode.

Note:

Random Play and AMS Play cannot be conducted when the unit is in Repeat Mode.

PLAYING TRACKS IN A RANDOM SEQUENCE (RANDOM PLAY)



When the **RANDOM** button on the remote control is pressed in stop mode, and then the ▶ button is pressed, the unit shuffles the track order automatically and plays all tracks randomly in the shuffled order.
The display's "**RNDM**" (random) indicator will light-up.

Note:

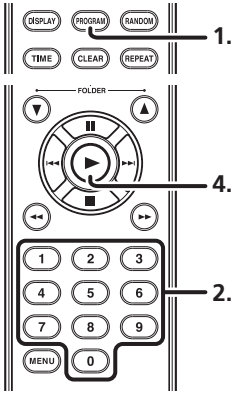
Repeat Play and AMS Play cannot be conducted when the unit is in Random Mode.

- If the ▶▶| button on the main unit, or the ▶▶| button on the remote control are pressed during Random Play, the player jumps to the next track of the shuffled order.
- To search through the current track during random play, press and continue holding the |◀◀/◀◀, ▶▶/▶▶| buttons on the main unit or press the ◀◀, ▶▶ buttons on the remote control.

TO EXIT FROM RANDOM PLAY AND RETURN TO NORMAL PLAY

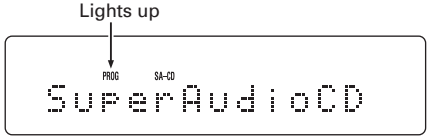
Press the ■ button, and then press the **RANDOM** button while playback is stopped.
The **RNDM** (random) indicator goes off, and random play is released.

PLAYING TRACKS IN A SPECIFIC SEQUENCE (PROGRAM PLAY)



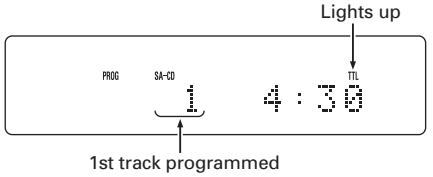
You can arrange and play tracks in a specific sequence. Up to 24 tracks to be played can be programmed.

1. Press **PROGRAM** button on the remote in stop mode. "**PROG**" indicator will blink and it goes to program mode.



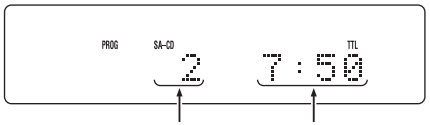
2. Choose a track to be programmed with numeric buttons on the remote.

(Example: The 15th track is chosen and it's length is 4min30sec)



3. With the sequence described in step **2** above, program another track. Repeat that sequence to program all the tracks you want. You can program up to 30 tracks.

(Example: The 7th track is chosen and total length of 7th and 15th is 7min50sec)

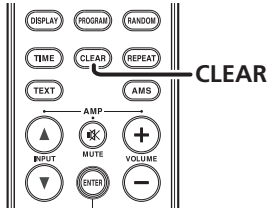


4. Press ▶ button to starts playback in programmed order.

Note:

Repeat Play, Random Play, and AMS Play cannot be conducted while the unit is in PROGRAM mode (i.e. when the PROG indicator is lit).

TO CHECK THE PROGRAMMED TRACKS



TO DELETE A PROGRAMMED TRACK

1. Press **CLEAR** button in stop mode when program has been made (When "**PROG**" indicator is lighting up).

2. Every time press **CLEAR** button, the programmed tracks are deleted in order from the last track programmed.

TO CLEAR WHOLE PROGRAM

Press ■ **STOP** button two times while in program play. In the stop mode, press ■ **STOP** button once. Program can also be cleared by pressing ⏏ **OPEN/CLOSE** button to open the disc tray.

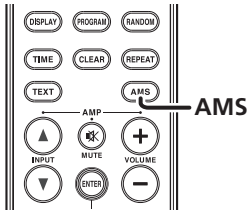
TO ADD TRACKS TO PROGRAM

Tracks can be added to the end of program when program is remaining ("**PROG**" indicator is lighting up) and in stop mode.

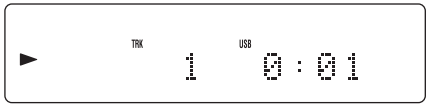
PLEASE BE CAREFUL ABOUT THE FOLLOWING MATTERS

- When programming 1st through 9th tracks in a disc that has over 10 tracks by using numeric buttons. For instance, programming the 3rd track after programming the 1st track, press **3** button more than approximately 1.5 seconds after **1** button is pressed. When a program is finalized, the time is updated.
- Likewise, when programming a track at 10th or after. For example, to program 13th track, press **3** button within approximately 1.5 seconds after **1** button is pressed.
- When programming a track in a disc that has less than 9 tracks. For instance, to program the 5th track after 4th track has been programmed, press **5** button more than approximately 0.5 second after **4** button is pressed.

SEARCHING YOUR FAVORITE TRACKS (AMS (AUTOMATIC MUSIC SCAN) PLAY)



This feature is convenient for searching where your favorite track is.
If the **AMS** button is pressed while a track is stopped, the PLAY indicator "▶" flashes, and the first ten seconds of each track on the disk will be played starting from the first track.
Also, if the **AMS** button is pressed during playback, the PLAY indicator "▶" flashes, and the program jumps to the next track after approximately 10 seconds elapses on the display time.



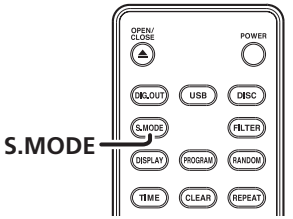
Once you find a song that you want to listen to, press the **AMS** button again or press the ▶ button. The PLAY indicator lights up and normal playback resumes from the current track.

Note:

AMS Play cannot be conducted while the unit is in PROGRAM mode.

SWITCHING SOUND MODE (SUPER AUDIO CD)

Please set Start Sound Mode to "SA-CD" (see page 16).



1. Press **S.MODE** button in stop mode (not playing).

The currently selected layer or area is shown on the display. (CD or Super Audio CD)

If **S.MODE** button is pressed again, a playable layer or area will be shown, and the layer or area will be switched to new one.

- When layer or area is switched, TOC will be read again.
- The sound mode cannot be changed for Audio CDs and discs with only a Super Audio CD area.
- The sound mode on hybrid layer discs will be changed in the following order.

Super Audio CD stereo area
↓ ↑
CD layer

2. Press the **S.MODE** button during playback.

The currently selected layer or area is shown on the display. (CD or Super Audio CD)

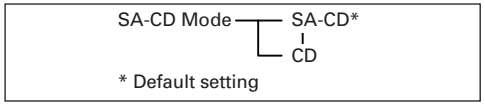
If **S.MODE** button is pressed again, the playback is stopped, and the layer or area will be switched to new one.

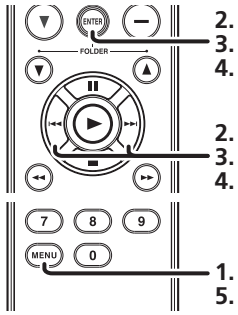
When you want to listen at that area, press ▶ button again. The playback will be started.

APPLICATION OPERATION (CD OPERATION)

SWITCHING "START SOUND MODE"

The Start Sound Mode can be switched over in the following hierarchical scheme.





1. Press the **MENU** button on the remote control.
2. Use the I◄◄, ►►I buttons to display "**SA-CD Mode=>**" and press **ENTER** button on the remote control.
3. To load the SA-CD layer, use the I◄◄, ►►I buttons to display "**1 SA-CD**" and press **ENTER** button on the remote control.
4. To load the CD layer, use the I◄◄, ►►I button to display "**2 CD**" and press **ENTER** button on the remote control.
5. Press the **MENU** button on the remote control unit to complete the setting.

WHEN START SOUND MODE IS SWITCHED TO CD

- At this time, if a Super Audio CD hybrid layer disk is inserted, the CD layer is read.
- Sound Mode cannot be switched even if the **S.MODE** button on the remote control is pressed.
- If a disk with only a Super Audio CD area is inserted, the Super Audio CD layer is read.

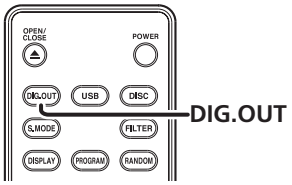
WHEN START SOUND MODE IS SWITCHED TO SA-CD (DEFAULT MODE)

- At this time, if a Super Audio CD hybrid layer disk is inserted, the Super Audio CD layer is read.
- Switch to the CD layer by pressing the **S.MODE** button on the remote control.
- Switch back to the Super Audio CD layer by pressing the **S.MODE** button on the remote control once again.

SETTING THE DIGITAL OUTPUT

The settings can be made using the remote control.
The settings are retained even if the power is turned off so that you can always hear tracks played the way you want.
Use the same procedures to change the settings again.
The settings can be changed when the track is stopped.

DURING THE PLAYBACK OF THE CD LAYER OF AN AUDIO CD OR SUPER AUDIO CD



"DIGITAL OUTPUT OFF" OPERATION

The digital output function is turned ON and OFF by pressing the **DIG.OUT** button while the track is stopped. When digital output is turned off, the "**D OFF**" indicator lights up on the display.

- When digital output is not used, turn off the digital output to enjoy better sound quality.

Note:

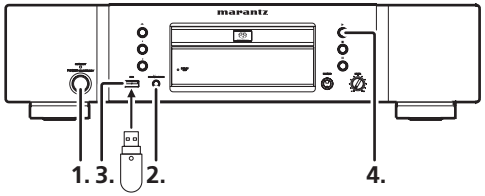
Digital signals are only output when playing Audio CDs.

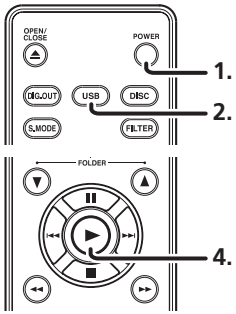
They are not output when playing other media.

The "digital output off" has a memory retention function where the settings remain stored and unchanged even when the disk is changed or the power is turned off.

APPLICATION OPERATION (USB/iPod OPERATION)

NORMAL PLAYBACK





1. Connect the USB medium to the USB port on the front panel.

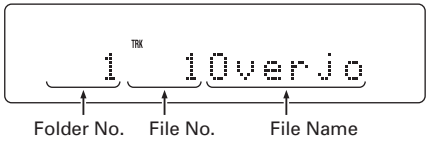
2. Keep pressing the **POWER** Switch for about a second to turn on the system.

The display cycles from "**TOC Reading**" → "**No Disk**" (when no disk is loaded) → "**SuperAudioCD**" (when the Start Sound Mode setting is Super Audio CD).

3. Press the **DISC MEDIA/USB** button on the front panel, or the **USB** button on the remote control.

4. While the unit searches for USB media, the display will read as follows.

When the unit finishes getting the USB medium file information, the display changes to the following.

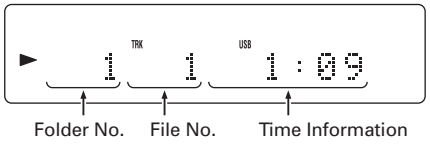


Note:

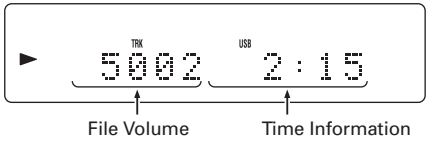
When no USB medium is connected, the display cycles from "USB Reading" → "USB".

5. Press the ▶ button.

Selected file information within the menu and time information are displayed.



When there are more than 1000 songs, the display changes to appear as follows.



TO STOP PLAYBACK

Press the ■ button.

TO PAUSE PLAYBACK

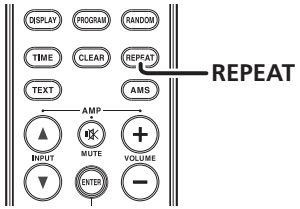
Press the ❚❚ button.
Pause indicator will light and playback is paused at the point that the button is pressed.
To resume playback, press the ❚❚ button again or press the ▶ button.

Tip

- When playing USB media/iPod files, the unit can play up to 65,535 files, 700 folders, and a maximum of 8 levels.
- The iPod's equalizer cannot be operated from the Marantz player. We recommend that you turn "off" the iPod's equalizer before connecting the iPod to the main unit.
- Some operations may differ depending on the iPod model.

USING "REPEAT PLAY" MODE

You can repeatedly play a single song or all songs.

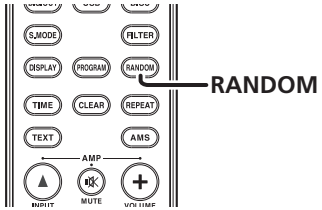


Each time the **REPEAT** button on the remote control is pressed, Repeat Play mode cycles in the following order.

Press the ▶ button to begin playback in the selected repeat mode (see page 14).

PLAYING TRACKS IN A RANDOM SEQUENCE (RANDOM PLAY)

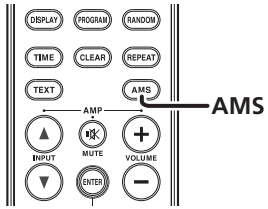
You can randomly play songs.



Press the **RANDOM** button on the remote control while the player is stopped to turn random mode ON or OFF.
Press the ▶ button when random mode is turned ON to start Random Play (see page 14).

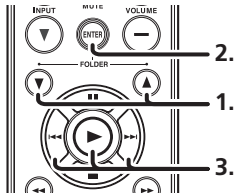
SEARCHING YOUR FAVORITE TRACKS (AMS (AUTOMATED MUSIC SCAN) PLAY)

You can play the first 10 seconds of each track starting from the first track.
Press the **AMS** button on the remote control to automatically begin AMS play (see page 15).



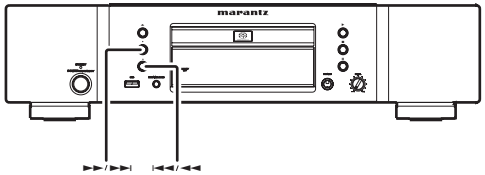
APPLICATION OPERATION (USB/iPod OPERATION)

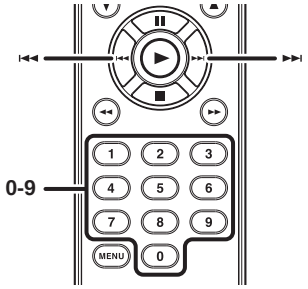
CHOOSING FILES FROM A DIFFERENT FOLDER



1. Press the **FOLDER** ▲/▼ button to display the current folder's name and number. Search for the folder that contains your desired track.
2. When the name of the folder that contains your desired track is displayed, press the **ENTER** button on the remote control. The title of the first track in the folder will be displayed.
3. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register the selection and play.

PLAYING YOUR FAVORITE TRACKS





SPECIFY RACK NUMBER TO PLAY (DIRECT SEARCH)

Specify track number with numerical buttons (0-9) on the remote.
(example)

3rd track : Press "**3**".

12th track : Press "**1**" and then press "**2**" (within approximately 1.5 seconds).

IF A WRONG NUMBER IS PRESSED

If a track number that is not in the folder is specified, the screen will return to its previous display.
Press correct number again.

SKIPPING TO THE PREVIOUS OR NEXT TRACK (TRACK SKIP)

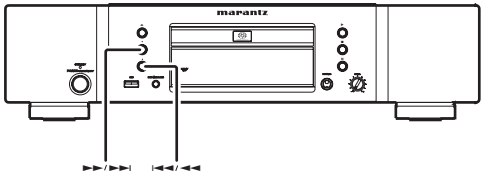
TO LISTEN TO A TRACK POSTERIOR THE CURRENT TRACK

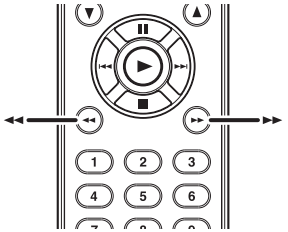
Press the ⏭ button on the main unit or the remote control the same number of times as the number of tracks you want to advance.

TO LISTEN TO A TRACK PRIOR TO THE CURRENT TRACK

Press the ⏮ button on the main unit or remote control once and the current track will start playing again from the beginning.
Continue to press the ⏮ button on the main unit or the remote control the same number of times as the number of tracks you want to return.

PLAYING YOUR FAVORITE PARTS OF A TRACK (SEARCH)





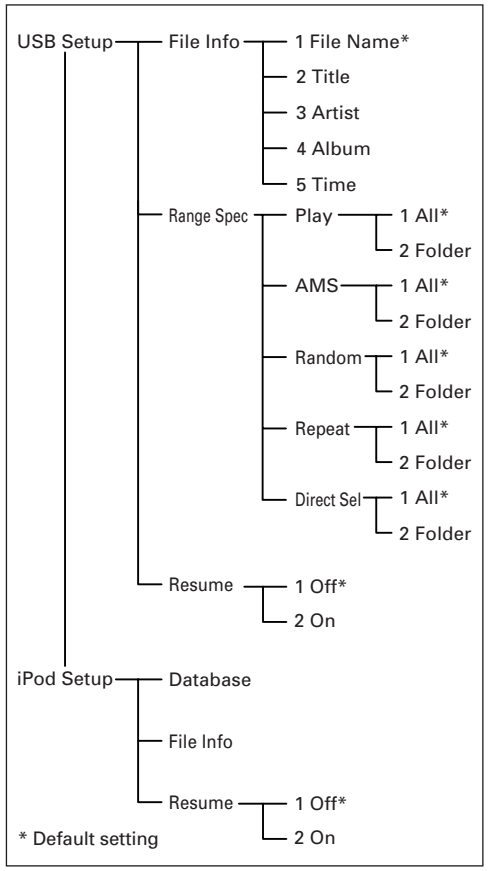
While playing a track, press and continue holding the ⏮, ⏭ buttons on the main unit or press the ◀◀, ▶▶ buttons on the remote control to begin track search.
You can change the search speed by pressing the ⏮, ⏭ buttons on the main unit or the remote control ⏮, ⏭ buttons again.
For USB media, the player has 4 levels of search speed with 4 being the fastest. It changes from 1 → 2 → 3 → 4 → 1.
For iPods, there is only 1 level of search speed.
Release the ▶ button when the point you want to listen to gets close.

Note:

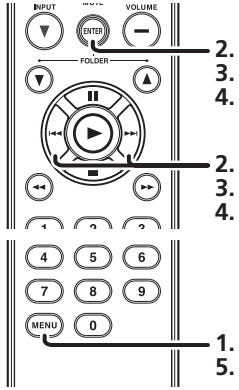
Sounds do not come out during search operations.

USB MEDIUM OPERATION

Sounds do not come out during search operations.



PLAYING TRACKS FROM WHERE THEY WERE PREVIOUSLY STOPPED (RESUME PLAY)



1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**USB Setup=>**" or "**iPod Setup**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**Resume=>**" and press **ENTER** button on the remote control.
4. To enable Resume Play, use the ⏮, ⏭ buttons to display "**2 On**" and press **ENTER** button on the remote control.

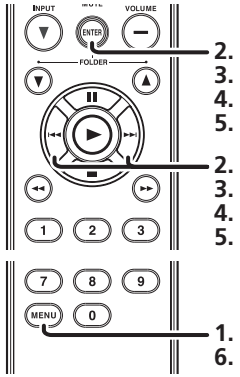
   To disable Resume Play, use the ⏮, ⏭ buttons to display "**1 Off**" and press **ENTER** button on the remote control.
5. Press the **MENU** button on the remote control unit to complete the setting.

Note:

- Resume Play only works when an identical USB medium is inserted. If another USB medium is inserted, the unit will start playing from the first file.
- The unit may not play your desired track if files have been added to or deleted from the identical USB medium.
- In the case of the iPod, tracks will resume play starting from the beginning of the track.

PLAYING YOUR FAVORITE TRACKS

You can specify whether tracks you want to hear are selected using track numbers within a folder or selected directly from all tracks on the USB medium.

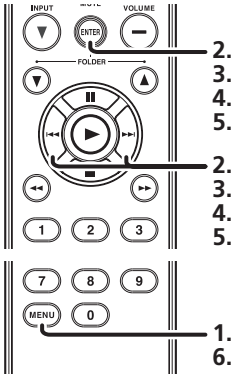


1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**USB Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**Range Spec=>**" and press **ENTER** button on the remote control.
4. Use the ⏮, ⏭ buttons to display "**Direct Sel=>**" and press **ENTER** button on the remote control.
5. To select tracks using track numbers within a folder, use the ⏮, ⏭ buttons to display "**2 Folder**" and press **ENTER** button on the remote control.

   To select tracks from all tracks on the USB medium, use the ⏮, ⏭ buttons to display "**1 All**" and press **ENTER** button on the remote control.
6. Press the **MENU** button on the remote control unit to complete the setting.

REPEAT PLAY

You can specify whether to "repeat play" tracks within a folder or to "repeat play" all tracks on the USB medium.



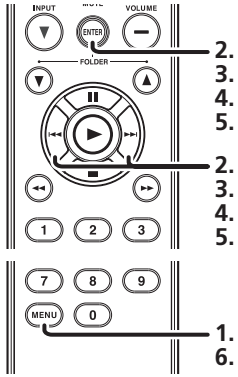
1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**USB Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**Range Spec=>**" and press **ENTER** button on the remote control.
4. Use the ⏮, ⏭ buttons to display "**Repeat=>**" and press **ENTER** button on the remote control.
5. To "repeat play" tracks within a folder, use the ⏮, ⏭ buttons to display "**2 Folder**" and press **ENTER** button on the remote control.

   To "repeat play" all tracks on the USB medium, use the ⏮, ⏭ buttons to display "**1 All**" and press **ENTER** button on the remote control.
6. Press the **MENU** button on the remote control unit to complete the setting.

APPLICATION OPERATION (USB/iPod OPERATION)

PLAYING TRACKS IN A RANDOM SEQUENCE (RANDOM PLAY)

You can specify whether to "random play" tracks within a folder or to "random play" all tracks on the USB medium.

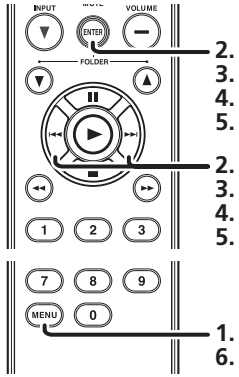


1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**USB Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**Range Spec=>**" and press **ENTER** button on the remote control.
4. Use the ⏮, ⏭ buttons to display "**Random=>**" and press **ENTER** button on the remote control.
5. To "random play" tracks within a folder, use the ⏮, ⏭ buttons to display "**2 Folder**" and press **ENTER** button on the remote control.

   To "random play" all tracks on the USB medium, use the ⏮, ⏭ buttons to display "**1 All**" and press **ENTER** button on the remote control.
6. Press the **MENU** button on the remote control unit to complete the setting.

SEARCHING YOUR FAVORITE TRACKS (AMS (AUTOMATED MUSIC SCAN) PLAY)

You can specify whether to "AMS play" tracks within a folder or to "AMS play" all tracks on the USB medium.

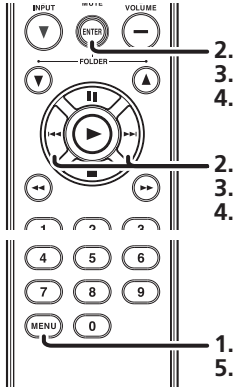


1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**USB Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**Range Spec=>**" and press **ENTER** button on the remote control.
4. Use the ⏮, ⏭ buttons to display "**AMS=>**" and press **ENTER** button on the remote control.
5. To "AMS play" tracks within a folder, use the ⏮, ⏭ buttons to display "**2 Folder**" and press **ENTER** button on the remote control.

   To "AMS play" all tracks on the USB medium, use the ⏮, ⏭ buttons to display "**1 ALL**" and press **ENTER** button on the remote control.
6. Press the **MENU** button on the remote control unit to complete the setting.

FILE INFORMATION DISPLAY SELECTION

You can view MP3 tags and other file information when playing a USB medium.



1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**USB Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**File Info=>**" and press **ENTER** button on the remote control.
4. To view file names, use the ⏮, ⏭ buttons to display "**1 File Name**" and press **ENTER** button on the remote control.

   To view track titles, use the ⏮, ⏭ buttons to display "**2 Title**" and press **ENTER** button on the remote control.

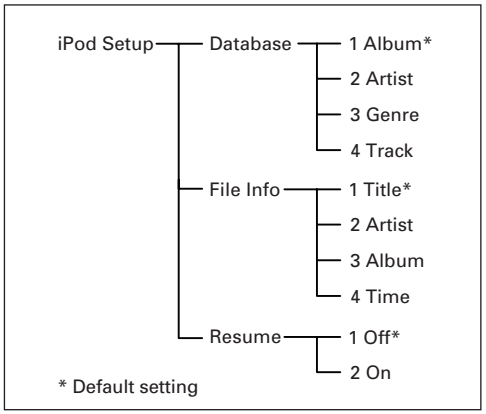
   To view artist names, use the ⏮, ⏭ buttons to display "**3 Artist**" and press **ENTER** button on the remote control.

   To view album names, use the ⏮, ⏭ buttons to display "**4 Album**" and press **ENTER** button on the remote control.

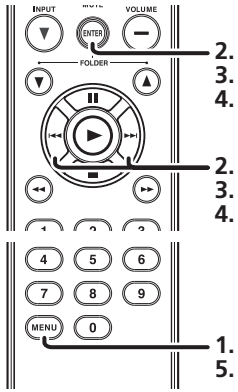
   To always view time information without viewing file information, use the ⏮, ⏭ buttons to display "**5 Time**" and press **ENTER** button on the remote control.
5. Press the **MENU** button on the remote control unit to complete the setting.
   - Press the **TEXT** button on the remote control during normal playback to view selected file information.
   - Press the **TEXT** button again to view the track title. If "track title" was the selected file information option, then the artist name will be displayed.
   - Each time the **TEXT** button on the remote control is pressed, the display changes in the following order: Track Title → Artist Name → Album Name →Track Title.

iPod OPERATION

The iPod works in the following hierarchical logic.



iPod DATABASE SELECTION



1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**iPod Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**Database=>**" and press **ENTER** button on the remote control.
4. To select albums by album name, use the ⏮, ⏭ buttons to display "**1 Album**" and press **ENTER** button on the remote control.

   To select albums by artist name, or if you would like to play all tracks for a selected artist, use the ⏮, ⏭ buttons to display "**2 Artist**" and press **ENTER** button on the remote control.

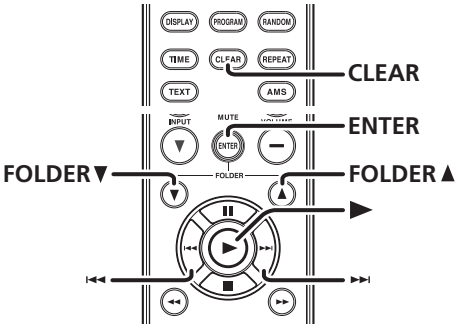
   To select artists by genre, use the ⏮, ⏭ buttons to display "**3 Genre**" and press **ENTER** button on the remote control.

   To play tracks without using the database, use the ⏮, ⏭ buttons to display "**4 Track**" and press **ENTER** button on the remote control.
5. Press the **MENU** button on the remote control unit to complete the setting.

Note:

Please refer to your iPod instructions for information on how to use with each database.

SELECTING TRACKS BY ANOTHER ARTIST



When the iPod database is set to "Artist"

1. Press the **FOLDER ▲/▼** button and either "**ALL**" or the current artist will be displayed. Press the **CLEAR** button on the remote control and the currently selected artist will be cancelled.
2. Press the **FOLDER ▲/▼** button and search for your desired artist.
3. When your desired artist is displayed, press **ENTER** button on the remote control and either "**All Album**", **album name**, or **track title** will be displayed.

(Selecting from All Album)

4. When selecting from "All Album", press **ENTER** button on the remote control and the title of the first track by the artist will be displayed.
5. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register the selection and play.

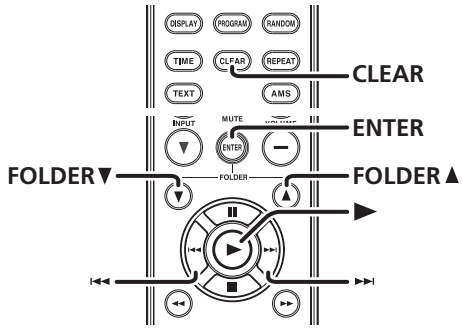
(Selecting from Album)

4. When selecting from "Album", press the **FOLDER ▲/▼** button on the remote control and the names of albums by the artist will be displayed.
5. Press the **FOLDER ▲/▼** button and search for your desired album.
6. When your desired album is displayed, press **ENTER** button on the remote control and the title of the first track from the album will be displayed.
7. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register the selection and play.

Tip:

You can also use the remote control's numeric keys 0-9 to select albums and tracks. Please refer to your iPod instructions for information on how to use with each database.

SELECTING TRACKS FROM A DIFFERENT GENRE



When the iPod database is set to "Genre"

1. Press the **FOLDER ▲/▼** button and either "ALL" or the name of the album currently playing will be displayed.
2. Press the **CLEAR** button on the remote control to cancel the currently selected artist or genre. If artist is canceled, "**ALL**" will be displayed.
3. Press the **FOLDER ▲/▼** button and search for your desired genre.
4. When your desired genre is displayed, press **ENTER** button on the remote control and either "**All Artist**" or **artist name** will be displayed.

APPLICATION OPERATION (USB/iPod OPERATION)

(Selecting from All Artist)

5. When selecting from "All Artist", press **ENTER** button on the remote control and the title of the first track within the genre will be displayed.
6. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register the selection and play.

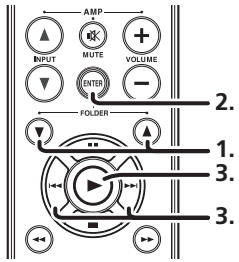
(Selecting from Artist)

5. When selecting from "Artist", press the **FOLDER** ▲/▼ button on the remote control and search for your desired artist.
6. When your desired artist is displayed, press **ENTER** button on the remote control and either "All Album", album name, or track title will be displayed.
7. Push **ENTER** button again and the title of the first track by the artist will be displayed.
8. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register selection and play.

(Selecting from the Album)

5. When selecting from "Album", press the **FOLDER** ▲/▼ button on the remote control and the names of albums by the artist will be displayed.
6. Press the **FOLDER** ▲/▼ button and search for your desired album.
7. When your desired album is displayed, press **ENTER** button on the remote control and the title of the first track from the album will be displayed.
8. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register selection and play.

SELECTING TRACKS FROM A DIFFERENT ALBUM



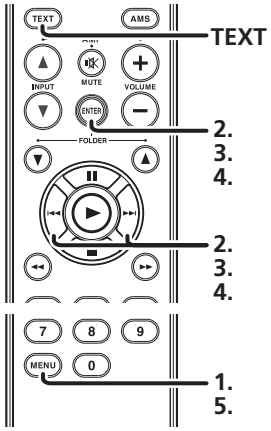
When the iPod database is set to "Album"

1. Press the **FOLDER** ▲/▼ button on the remote control to display the name of the current album. Press the **FOLDER** ▲/▼ button and search for your desired album.
2. When your desired album is displayed, press **ENTER** button on the remote control and the title of the first track from the album will be displayed.
3. Use the ⏮, ⏭ buttons to select your desired track. Press **PLAY** button to register selection and play.

Tip:

You can also use the remote control's numeric keys 0-9 to select albums and tracks.

FILE INFORMATION DISPLAY SELECTION



You can view file information when playing iPod files.

1. Press the **MENU** button on the remote control.
2. Use the ⏮, ⏭ buttons to display "**iPod Setup=>**" and press **ENTER** button on the remote control.
3. Use the ⏮, ⏭ buttons to display "**File Info=>**" and press **ENTER** button on the remote control.
4. To view track titles, use the ⏮, ⏭ buttons to display "**1 Title**" and press **ENTER** button on the remote control.

   To view artist names, use the ⏮, ⏭ buttons to display "**2 Artist**" and press **ENTER** button on the remote control.

   To view album names, use the ⏮, ⏭ buttons to display "**3 Album**" and press **ENTER** button on the remote control.

   To always view time information without viewing file information, use the ⏮, ⏭ buttons to display "**4 Time**" and press **ENTER** button on the remote control.
5. Press the **MENU** button on the remote control unit to complete the setting.

   - Press the **TEXT** button on the remote control during normal playback to view selected file information.
   - Press the **TEXT** button again to view the track title. If "track title" was the selected file information option, then the artist name will be displayed.
   - Each time the **TEXT** button on the remote control is pressed, the displayed information changes in the following order: Track Title→Artist Name→Album Name→Track Title.

TROUBLESHOOTING

If you think that something is wrong with your player, first check the points listed below. Incorrect operations can sometimes be taken for trouble and malfunctions. If the trouble persists even after the following points have been checked, consult your dealer or nearest Marantz sales office or service center.

Problem	Cause	Corrective action
The disc fails to rotate.	The power cord is pulled out of the socket.	Insert the power cord plug into the socket. (→ Page 9)
	Power to this unit is not ON.	Turn the power to this unit ON. (→ Page 10)
	The disc is not placed in the correct position on the disc tray.	Place the disc in the disc tray correctly. (→ Page 10)
	The disc is placed in upside down. (The disc is placed in with the label facing down).	Place the disc in the disc tray correctly. (→ Page 10)
The disc stops rotating in mid-operation.	The disc is dirty.	Clean the disc's surface. (→ Page 28)
	The disc is scratched.	The disc may be unable to be played if it has a lot of scratches.
	The disc is warped.	The disc may be unable to be played if it is badly warped.
The disc is rotating but no sound is heard.	The amplifier and speakers are not connected correctly.	Connect the cables correctly. (See the instruction manual for the amplifier.)
	The amplifier power is not ON.	Turn ON the power to the amplifier. (See the instruction manual for the amplifier.)
	The amplifier's function or selector switch is not set to "CD" or "AUX" or such (to whatever you have connected this unit to).	Switch the amplifier's function or selector switch to "CD" or "AUX" or such (to whatever you have connected this unit to). (See the instruction manual for the amplifier.)
	The amplifier's volume control is set at the minimum level.	Adjust the amplifier volume. (See the instruction manual for the amplifier.)
Remote control operation is not possible.	The distance between this unit and the remote control is too great.	Move closer to this unit, and operate the remote control within the operating range. (→ Page 4)
	There is an obstacle between this unit and the remote control.	Remove the obstacle. (→ Page 4)
	The remote control's batteries are dead.	Replace all batteries with new ones. (→ Page 4)
	A strong light is hitting the unit's sensor window.	Do not let strong light hit the sensor window. (→ page 4)
	The switch on the back of the REMOTE CONTROL is on EXTERNAL.	When using this unit independently, set the switch to INTERNAL. (→ Page 12)
CD-R/CD-RW disc cannot be played.	The disc is placed in upside down.	Place the disc in the tray correctly. (→ Page 10)
	The information recorded is not in an audio (CD-DA) format. Or the MP3/ WMA file was not properly recorded.	Record correct information that is compatible with to this unit. (→ Page 28)

TROUBLESHOOTING

USB/iPod

Problem	Cause	Corrective action
"OverCurrent" appears on the display.	The voltage able to be supplied from this unit via the USB has been exceeded.	The USB media is not supported. Please use a USB device with an operating current that is less than 500 mA.
"FAT Error" or "Cluster Err" appear on the display.	An unsupported file system is being used. USB memory below 128 MB cannot be supported.	Please use a USB device formatted with a compatible file system (FAT32 or FAT) and that has at least 256 MB of memory.
"No File" appears on the display.	No file able to be played on this unit exists.	Check supported formats. (→ Page 25, 26)
"DRM Stream" appears on the display.	This is a file subject to digital rights management.	Cannot play on this unit because of unsupported DRM. (→ Page 25)
The sound of the USB being connected is not heard.	The amplifier and speakers are not connected properly.	Connect the cables correctly. (→See the instruction manual for the amplifier.)
	The amplifier power is not ON.	Turn the amplifier power ON. (→See the instruction manual for the amplifier.)
	The amplifier's function or selector switch is not set to "CD" or "AUX" or such (to whatever you have connected this unit to).	Switch the amplifier's function or selector switch to "CD" or "AUX" or such (to whatever you have connected this unit to). (→See the instruction manual for the amplifier.)
	The amplifier's volume control is set at the minimum level.	Adjust the amplifier volume. (→See the instruction manual for the amplifier.)
The sound of the iPod being connected is not heard.	3rd generation or earlier iPods are unsupported.	Refer to "ABOUT iPod PLAYBACK". (→ Page 26)
	The amplifier and speakers are not connected correctly.	Connect the cables correctly. (→See the instruction manual for the amplifier.)
	The amplifier power is not ON.	Turn ON the power to the amplifier. (→ See the instruction manual for the amplifier.)
	The amplifier's function or selector switch is not set to "CD" or "AUX" or such (to whatever you have connected this unit to).	Switch the amplifier's function or selector switch to "CD" or "AUX" or such (to whatever you have connected this unit to). (See the instruction manual for the amplifier.)
	The amplifier's volume control is set at the minimum level.	Adjust the amplifier volume. (See the instruction manual for the amplifier.)
Reading of USB device takes time.	When connecting a high-capacity USB device, it will take time to read depending on its capacity. Several minutes may be required for reading when using a high-capacity device.	Wait until reading is completed.

OTHERS

ABOUT WMA PLAYBACK

- Windows Media is a trademark of the Microsoft Corporation in the US and other countries.
- WMA is an abbreviation for "Windows Media Audio" and is an audio compression technology developed by the Microsoft Corporation. WMA data may be encoded using Windows Media® Player Ver. 7, 7.1, Windows Media® Player for Windows® XP, or Windows Media® Player 9 Series.
- Use discs recorded conforming to the ISO 9660 Level 1/Level 2 CD-ROM file system and extended format (Joliet, Romeo).
- Multi-session recording is not supported.
- WMA files having DRM copy protection cannot be played.
- Encode WMA files using applications that have received Microsoft Corporation certification. If an uncertified application is used, it may not operate normally.

WMA FILES

Standard	Conforming to Microsoft Windows Media Audio 9.2 The following are unsupported • WMA9 Series Professional • WMA9 Series Voice • WMA9 Series Lossless • WMA with Video
Extension	.wma
Bit rate [kbps]	CBR: 48~320 VBR: Peak 384 (display corresponds to average bit rate value)
Sampling frequency [kHz]	32/44.1/48
Channels	2ch (Stereo)
Textual information	Title: 128 Byte Composer (Name of artist): 128 Byte Name of album: 128 Byte

ABOUT WINDOWS MEDIA DRM

Windows Media Digital Rights Management (DRM) (referred to below as WMDRM) is a platform to prevent playback on computers, digital audio players, network devices and the like in order to securely distribute digital content.

Content protected by WMDRM may be played back only when connected to a media server that has WMDRM functionality.

This system does no comply with any contents protected by WMDRM.

ABOUT MP3 PLAY BACK

- Use discs recorded conforming to the ISO 9660 Level 1/Level 2 CD-ROM file system and extended format (Joliet, Romeo).
- MPEG1 Audio Layer-3 files recorded at sampling frequencies of 32 kHz, 44.1 kHz, or 48 kHz are supported. For files recorded with a frequency other than this, "No File" will be displayed, and these files cannot be played.
- Variable Bit Rate (VBR) is not supported (when playback is possible, the time display in the display window will speed up and slow down).
- Multi-session recording is not supported.
- For audio quality, a recording rate of 128 kbps or higher is recommended.

MP3 FILES

Standard	MPEG-1 Audio Layer3
Extension	.mp3
Bit rate [kbps]	For MPEG-1 Audio Layer3, 32/40/48/56/64/80/96/112/128/160/192/224/256/320
Sampling frequency [kHz]	For MPEG-1 Audio Layer3, 32/44.1/48
Channels	2 ch (Stereo)
Emphasis	OFF
Textual information	[ID3v2 (v2.2/v2.3/v2.4)] Title: 128 Byte Name of artist: 128 Byte Name of album: 128 Byte Comment: 128 Byte [ID3v1 (v1.0/v1.1)] Title: 30 Byte Name of artist: 30 Byte Name of album: 30 Byte Comment: 30 Byte

OTHERS

ABOUT AAC PLAYBACK

- AAC is an abbreviation for "Advanced Audio Coding". It is the basic format related to the audio compression technology used in MPEG-2 and MPEG-4.
- Playing of AAC files that have the extension ".m4a" encoded using iTunes® is supported with this device. However, files may be unable to be played due to having DRM copy protection (copyright protection) or because of the version of iTunes they have been encoded with.
- iTunes is a trademark of Apple Inc. that is registered in the US and other countries.
- This applies to files created with iTunes.

Standard	MPEG-4/AAC LC (Low Complexity) MPEG-2/AAC LC (Low Complexity)
Extension	.m4a
Bit rate [kbps]	8~320
Sampling frequency [kHz]	32/44.1/48
Channels	2 ch (Stereo)
Textual information	[MPEG-4 header (iTunes content information)] Name (Title): 128 Byte Name of artist: 128 Byte Name of album: 128 Byte Comment: 128 Byte

ABOUT iPod PLAYBACK

- If a 5th generation or later iPod, iPod nano, iPod classic or iPod touch is connected, it can be played with even higher sound quality because the audio from the iPod is transmitted digitally (LPCM).
- Some operations may differ depending on the iPod model.
- If the iPod's software is old, it may not operate properly. Please be sure to use up-to-date iPod software.
- The TEXT display is alphanumeric only. If non-alphanumeric characters have been recorded in the iPod, the characters will be displayed as "*".
- The iPod is a device licensed for the private duplication and playback of uncopyrighted material or material for which duplication and playback are legally permitted. Violation of copyright is legally prohibited.
- The iPod equalizer cannot be operated from the SA8003. Before connecting an iPod to this unit, it is recommended that the iPod equalizer be set to "OFF".
- Please note that we offer no compensation if problems occur in the iPod data when using this unit with an iPod.

iPod is a trademark of Apple Inc. registered in the US and other countries.

ABOUT WAV PLAYBACK

Standard	RIFF Waveform Audio Format
Format	Linear PCM
Extension	.wav
Sampling frequency [kHz]	Linear PCM: PCM 32/44.1/48 Those other than the above, not supported.
Number of bits [bit]	Linear PCM: 16
Channels	2 ch (Stereo)
Textual information	None

SPECIFICATIONS & DIMENSIONAL DRAWINGS

	Super Audio CD	Audio CD
Audio Characteristics		
Analog output		
Channels	2channels	2channels
Frequency range	2Hz — 100kHz	2Hz — 20kHz
Frequency characteristics	2Hz — 50kHz (-3dB)	2Hz — 20kHz
Dynamic range	112dB	100dB
S/N Ratio (A-weighted)	110dB	110dB
THD (1kHz)	0.0020%	0.0020%
wow & flutter	Precision of quartz	Precision of quartz
Output level		
Unbalanced	2.3V RMS stereo	2.3V RMS stereo
Digital output		
output level (cinch JACK)	—	0.5Vp-p (75Ω)
output level (optical)	—	-19dBm
Optical Readout System		
Laser	AlGaAs	AlGaAs
Wave length	650nm	780nm
Signal format	1-bit DSD	16-bit linear PCM
Sampling frequency	2.8224MHz	44.1kHz

POWER SUPPLY

Power Supply.....AC 120V 60Hz
Power Consumption.....25W
Power consumption in standby mode.....0.5W

CABINET, ETC.

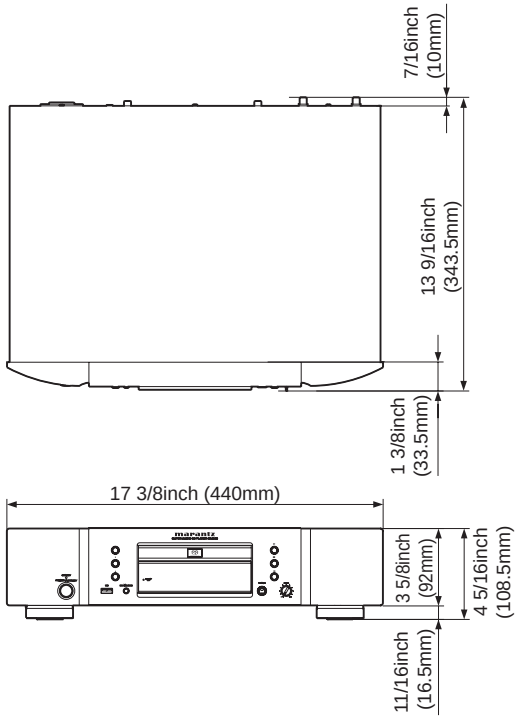
Dimensions (Width × Height × Depth)
..... 17 3/8 × 4 5/16 × 13 9/16inches
(440 × 108.5 × 343.5mm)
Net weight.....17.21lb. (7.8kg)
Operating temperatures..... +5˚C ~ +35˚C
Operating humidity .....5 ~ 90% (without dew)

ACCESSORIES

- Remote control unit 1
  Net weight 0.2lb. (110g)
- AAA (R03) Batteries 2
- AC Power cord.....1
- Audio cable.....1
- Remote control connecting cord 1
- User's Guide.....1

Specifications subject to change without prior notice.

DIMENSIONS (UNIT: INCH (MM))



CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

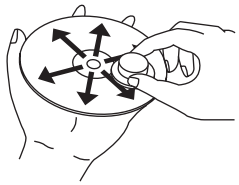
OTHERS

NOTES ABOUT THE DISCS

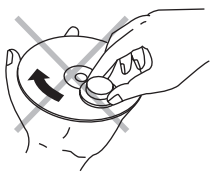
*** Handle the discs carefully so as not to scratch their surfaces.**

*** Keep the surfaces of the discs clean at all times.**

When cleaning the surfaces of discs, always be sure to use the special cleaner and wipe the surfaces in the directions shown in the figure below.



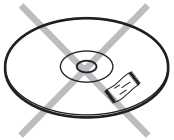
- Wipe the surface radially from the center.



- Do not wipe the surface in the circumferential direction.

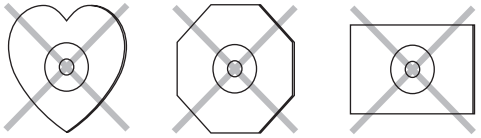
*** Do not attach pieces of paper or stickers to the label surfaces of the discs.**

When a disc has a piece of plastic tape or rental CD label with paste protruding from the edge or when a disc still bears traces of sticky tape or adhesive labels, do not attempt to play it. If such a disc is played on the CD player, you may find that you cannot remove it or that some other kind of malfunctioning may occur.



*** Do not use discs which come in special shapes.**

Do not attempt to play heart-shaped or octagonal discs or discs with any other special shapes. You may find that you cannot remove them or that some other kind of malfunctioning may occur in the player.



*** Use discs which satisfy the CD standards such as those with the "CD logo", "COMPACT disc DIGITAL AUDIO" or "COMPACT disc DIGITAL VIDEO TEXT" mark on their disc label surfaces.**

No guarantees are made for playback if discs which do not satisfy the appropriate CD standards are used.

Similarly, no guarantees are made for their sound quality even if it is possible to play such discs.

*** To protect your discs from damage, avoid placing them in the following locations.**

- Where they will be exposed to direct sunlight or where they will be close to a heater or other heat-radiating appliance
- Where the humidity level is high or it is very dusty
- Near a window or other such location where they may be exposed to rain

*** Get into the habit of putting the discs back in their cases after use.**

ABOUT PLAYING COPY-CONTROLLED CDS

Some copy-controlled CDs may not conform to official CD standards. They are special discs and may not play on the unit.

PLAYING CD-R/CD-RW DISCS

This unit can play back the CD-RW (ReWritable) discs as well as ordinary Audio CD and CD-R (Recordable) discs.

- The CD-R and CD-RW discs should contain properly-recorded TOC* information so that they can be played back. In CD recorders, the task of writing TOC information is referred to as finalizing the disc. Discs that are not finalized cannot be properly recognized as an Audio CD and played back by regular CD players and Super Audio CD players. For details, please read the instruction manual provided with a CD recorder.
  * TOC stands for Table Of Contents and contains information such as the total number of tracks and total playing time of the disc.
- This unit can play CD format, video CD format, and CD-R/CD-RW discs which contain WMA/MP3 music data. However, some discs may have problems such as unable to play, noise or sound distortion.
- This device is exclusively a playback device. It cannot record CD-R/CD-RW discs.
- As the playback of a CD-RW disc necessitates partial change of the player setup, it may take longer time for reading the TOC information than when an Audio CD or CD-R disc is played.
- Depending on the application settings and environment, discs recorded with a personal computer may not be able to be played. Please record with the correct format. (For details, please inquire at your application sales agent.)
- Discs recorded with the packet writing system cannot be played.
- Mixed mode CD/enhanced CD and DTS CD discs cannot be played.
- CD-G, video CD and DVD discs cannot be played.

ABOUT DUALDISC PLAYBACK

- "DualDisc" contains DVD-standard-compliant video and audio on one side and audio for playing on a CD player on the other side, respectively.
- Since the non-DVD audio side does not conform to common CD physical standards, it may not be able to be played.
- In regard to details such as "DualDisc" specifications and standards, please inquire at your selling agent or distributor.

ABOUT USB MEDIA

- Music files cannot be played by connecting this unit to a personal computer with a USB cable. This is a device that belongs to a class of USB mass storage such as USB memory (FAT16, FAT32 format supported), which this unit supports.
- There are cases where playback of all USB memory or supplying electrical power cannot be guaranteed. In addition, please note that we cannot assume any responsibility in the unlikely event of loss of USB memory files.

The section describes the care and maintenance tasks that must be performed to optimize the operation of your Marantz equipment.

CLEANING OF EQUIPMENT EXTERNAL SURFACES

The exterior finish of your unit will last indefinitely with proper care and cleaning, Never use scouring pads, steel wool, scourging powders or harsh chemical agents (e.g., lye solution), alcohol, thinner, benzine, insecticide or other volatile substances as these wil mar the finish of the equipment. Likewise, never use cloths containing chemical substances. If the equipment get dirty, wipe the external surfaces with a soft, lint-free cloth.
If the equipment becomes heavily soiled:

- dilute some washing up liquid in water, in a ratio of one part detergent to six parts water.
- dip a soft, lint free in the solution and wring the it is damp.
- wipe the equipment with the damp cloth.
- dry the equipment by wiping it with a dry cloth.

REPAIRS

Only the most competent and qualified service technicians should be allowed to service the factory-trained warranty station personnel have the knowledge and special facilities needed for repair and calibration of this precision equipment. After the warranty period has expired, repairs will be performed for a charge if the equipment can be returned to normal operation.
In the event of difficulty, refer to your dealer or write directly to the nearest location to you that is listed on the Marantz Authorized Service Station list. If writing, please include the model and serial number of the equipment together with a full description of what you think is abnormal about the equipment's behaviour.

www.marantz.com

You can find your nearest authorized distributor or dealer on our website.

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